

**EPI Update for Friday, June 15, 2018**  
**Center for Acute Disease Epidemiology (CADE)**  
**Iowa Department of Public Health (IDPH)**

Items for this week's EPI Update include:

- ***Cyclospora* update**
- **West Nile virus detected in Iowa**
- **Multistate outbreak linked to pre-cut melon**
- **Influenza: 2017-2018 summary, 2018-2019 vaccine recommendations**
- **Tick removal and testing**
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***Cyclospora* update**

The Iowa Department of Public Health, in collaboration with local public health partners, the Iowa Department of Inspections and Appeals, and the State Hygienic Lab, is investigating an increasing number of *Cyclospora* infections. Since the beginning of the year, 22 *Cyclospora* infections have been reported in nine Iowa counties. Three of the cases in northeast Iowa are associated with an [outbreak](#) also impacting Wisconsin and Minnesota (associated with vegetable trays sold at Kwik Trip, Kwik Star and Tobacco Outlet stores). In addition, one case is associated with an outbreak involving the [Sonora Grill](#) in Minneapolis.

*Cyclospora*-specific stool testing includes ova and parasite testing with acid-fast staining or PCR testing. IDPH is requesting that positive *Cyclospora* specimens are forwarded to Iowa's State Hygienic Laboratory for further analysis.

For more information on *Cyclospora* in Iowa, visit [idph.iowa.gov/ehi/cyclospora](http://idph.iowa.gov/ehi/cyclospora).

**West Nile virus detected in Iowa**

The first West Nile virus positive mosquito sample of the year in Iowa has been detected in Woodbury County. The mosquito sample was collected in late May and tested at Iowa's State Hygienic Laboratory. In 2017, 88 of the 1,453 mosquito samples tested in Iowa were positive for West Nile virus.

There have been no reported human cases of West Nile infection in Iowa so far this year. In 2017, 12 human cases of West Nile virus and two West Nile virus-related deaths were reported in Iowa.

Iowans should take the following steps to reduce the risk of exposure to West Nile virus:

- Use insect repellent with DEET, picaridin, IR3535 or oil of lemon eucalyptus. Always read the repellent label and consult with a health care provider if you have questions when using these types of products for

children. For example, DEET should not be used on infants less than 2 months old and oil of lemon eucalyptus should not be used on children under 3 years old.

- Avoid outdoor activities at dusk and dawn when mosquitoes are most active.
- Wear long-sleeved shirts, pants, shoes and socks whenever possible outdoors.
- Eliminate standing water around the home because that's where mosquitoes lay eggs. Empty water from buckets, cans, pool covers and pet water dishes. Change water in bird baths every three to four days.

For more information on West Nile virus, visit [idph.iowa.gov/cade/disease-information/west-nile-virus](http://idph.iowa.gov/cade/disease-information/west-nile-virus).

### **Multistate outbreak linked to pre-cut melon**

CDC is investigating an outbreak of *Salmonella* infections in the Midwest linked to pre-cut melon. On June 8, Caito Foods, LLC recalled fresh cut watermelon, honeydew melon, cantaloupe, and fresh-cut fruit medley products containing melons produced at Caito Foods in Indianapolis, Indiana.

While no human cases have been identified to date in Iowa, the product was distributed through Walmart stores in Iowa. The Iowa Department of Inspections and Appeals is working with stores to ensure the disposal of all recalled products.

For more information from CDC about this outbreak, visit [www.cdc.gov/salmonella/adelaide-06-18/index.html](http://www.cdc.gov/salmonella/adelaide-06-18/index.html).

For more information from FDA about this recall, visit [www.fda.gov/Safety/Recalls/ucm610345.htm](http://www.fda.gov/Safety/Recalls/ucm610345.htm).

### **Influenza: 2017-2018 summary, 2018-2019 vaccine recommendations**

CDC recently released the 2017-2018 annual end of season influenza summary and the recommended components of the 2018-2019 influenza vaccines. The 2017–18 influenza season was quite severe, with influenza A(H3N2) viruses being identified most frequently, both nationally and in Iowa. A large number of activity indicators remained high in most of the country for an unusually long duration last season. Record hospitalization rates and high numbers of influenza-associated pediatric deaths also were reported.

The 2018-2019 trivalent vaccine in the U.S. will contain an A/Michigan/45/2015 A(H1N1)pdm09-like virus, an A/Singapore/INFIMH-16–0019/2016 A(H3N2)-like virus, and a B/Colorado/06/2017-like (B/Victoria lineage) virus. Quadrivalent vaccines will include the trivalent vaccine viruses as well as a B/Phuket/3073/2013-like (B/Yamagata lineage) virus. The B/Victoria lineage and A(H3N2) components are both changes from the 2017-2018 U.S. vaccine.

For more information, visit [www.cdc.gov/mmwr/volumes/67/wr/mm6722a4.htm](http://www.cdc.gov/mmwr/volumes/67/wr/mm6722a4.htm).

### Tick removal and testing

In recent weeks, IDPH has received multiple calls regarding removing and testing ticks found on individuals in Iowa. In general, it is not recommended to test removed ticks for evidence of infection. If an individual develops a rash or fever within several weeks of removing a tick, he or she should see their health care provider. The patient should tell the provider about the recent tick bite, when the bite occurred, and where the tick was most likely acquired. CDC has online resources to help patients identify various ticks and the diseases various ticks transmit.

For more information on removing and testing ticks, visit [www.cdc.gov/lyme/removal/index.html](http://www.cdc.gov/lyme/removal/index.html).

**In the news: Superbug infections rising among injection drug users**  
[www.nbcnews.com/health/health-news/superbug-infections-rising-among-injection-drug-users-n881326](http://www.nbcnews.com/health/health-news/superbug-infections-rising-among-injection-drug-users-n881326)

**In the news: Rare type of tick inexplicably turns up in Arkansas**  
[www.yahoo.com/news/rare-tick-inexplicably-turns-arkansas-204437893.html](http://www.yahoo.com/news/rare-tick-inexplicably-turns-arkansas-204437893.html)

### Infographic: Cyclosporiasis



To view in full size, visit [www.cdc.gov/parasites/cyclosporiasis/resources/pdf/Cyclosporiasis\\_General-Public\\_061214.pdf](http://www.cdc.gov/parasites/cyclosporiasis/resources/pdf/Cyclosporiasis_General-Public_061214.pdf).

**Meeting announcements and training opportunities**  
None

**Have a healthy and happy week!**

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